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PROPAGATION OF ELECTRIC ACTION AND FINITE
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DESCRIPTORS: Propagation, *Electric currents,
Electric potential, *Electricity.

(Physics--Wave Propagation, TT, v. 10, no. 11)

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Trans. of [Zhurnal Tekhnicheskoi Fiziki] (USSR) 1940,
v. 10, p. 574-577.

DESCRIPTORS: *Nickel, Diffusion, Mathematical
analysis, Copper, *Powders, *Powder metallurgy.

A formula for the calculation of the diffusion coefficient, deriving from the symmetrical disposition of grains in mixtures of powdered substances, is given. The calculation by means of this formula of the diffusion coefficient of nickel in copper in mixtures of powdered substances can be considered to be reliable. (Author)

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1959, v. 4, no. 3, p. 293-298.

When metals are deformed both Thomson's and
Peltier's emf change substantially because of a
change in the electric resistance of the metals as a
result of origination of defects in the crystal lattice
(vacancies, dislocations, dislocated atoms, etc).
Since the thermal emf depends on the emf of
Thomson and of Peltier, the principal cause of origi-
nation of thermal emf in a couple: deformed -
undeformed metal is a change in the electric resist-
(Physics--Thermodynamics, TT, v. 5, no. 6) (over)

61-13955

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3. Title: Electromotive force
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T-1304

EEur - Germany

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Order from SLA \$2.60

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Trans. of Naumyn-Schmiedeberg's Arch[iv für]
Exp[erimentelle] Path[ologie und] Pharmak[ologie]
(West Germany) 1961, v. 241, p. 236-253.
Another trans. is available from K-H \$33.75 as
K-H 11279-d [1962] 27p.

DESCRIPTORS: Drugs, Inhibition, *Acetylcholine,
*Nicotine, *Vasomotor drugs, Nervous system, Re-
action (Psychology), *Morphine, Antihistaminics

Scopolamine and similar substances intensify the sed-
ative stupor-inducing action of morphine in the rat;
(Biological Sciences--Pharmacology, TT, v. 10, no. 7)
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action (Psychology), *Morphine.

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DESCRIPTORS: *Genetics, *Cattle, *Spermatogenesis, Gametes, Environment, Reproduction.

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ties, Oxidation, Distillation

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Econ - Industry, chemical

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